

d.) Amendments to the Drawings**Amendments to Fig. 1**

The term “Tetracycline selection marker gene (T)” is changed to “Chloramphenicol selection marker gene (C)”.

The plasmid name “p4T” is changed to “p2C”.

No new matter is introduced with these amendments.

All figures (5 figures) appearing on the immediate prior version are included. The replacement sheet (1 figure) is labeled in the top margin as “Replacement Sheet”. The new sheet 1 figures) is labeled in the top margin as “New Sheet”.

e.) Remarks

Any inquiry concerning this communication or earlier communications from the applicant should be directed to Chuan Li whose telephone number is (858) 361-7231. The applicant can normally be reached from 9:00 a.m. to 5:00 p.m. pacific standard time.

The applicant may also be reached at Expression Technologies Inc. at (858) 558-1861 or by fax at (858) 558-1883 or by email at chuanli@exptec.com.

Applicant Name: Chuan Li

Signature: 

Date: February 25, 2010

Sequence ID No: 1

BIO-SYNTHESIS

Lot No: B716-1

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 1 1C2C013C1
Primer Lot Number: B716-1
Author: MD
Synthesis Scale: 50 nmole
Primer Sequence (5' to 3'): CGC CCG CCG CCC GGG CGC CCC GCC TTC CGC
TTC CTC GCT CAC TG

Primer Data

| | | | | | |
|--------------------------------------|----------------|------------------|------------------|-----------------|---------------------|
| Primer Length: | 44 | | | | |
| Type: | DNA | | | | |
| Composition: | A 1 2.3% | C 25 56.8% | G 11 25.0% | T 7 15.9% | Others 0 0.0% |
| Molecular Weight (Ammonium Salt): | 13231.8 | | | | |
| Exact Weight per OD (Ammonium Salt): | 37.87 | | | | |
| Nanomoles per OD (Ammonium Salt): | 2.86 | | | | |
| Micromolar Extinction Coefficient: | 349.38 | | | | |
| Total ODs in This Tube: | 5 | | | | |
| Total Amount in ug: | 189.36 | | | | |
| Total Amount in nmole: | 14.31 | | | | |
| Purification: | Desalted | | | | |
| Melting Temperature in Celsius: | 160.0 | | | | |

| | |
|--------|----|
| 5' END | OH |
| 3' END | OH |

Note: OD WILL VARY

biosyn@biosyn.com

' 800 DNA Exam

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Sequence ID NO : 2

BIO•SYNTHESIS

Lot No: B716-3

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 3 ICZC013:3
Primer Lot Number: B716-3
Author: MD
Synthesis Scale: 50 nmole
Primer Sequence (5' to 3'): CGC CCG CCG CCC GGG CGC CCC GCC AAC GCG
GAA GTC AGC GCC CT

Primer Data

| | | | | | |
|--------------------------------------|-----------------|------------------|------------------|----------------|---------------------|
| Primer Length: | 44 | | | | |
| Type: | DNA | | | | |
| Composition: | A 5 11.4% | C 23 52.3% | G 14 31.8% | T 2 4.5% | Others 0 0.0% |
| Molecular Weight (Ammonium Salt): | 13372.8 | | | | |
| Exact Weight per OD (Ammonium Salt): | 34.85 | | | | |
| Nanomoles per OD (Ammonium Salt): | 2.61 | | | | |
| Micromolar Extinction Coefficient: | 383.67 | | | | |
| Total ODs in This Tube: | 5 | | | | |
| Total Amount in ug: | 174.27 | | | | |
| Total Amount in nmoles: | 13.03 | | | | |
| Purification: | Desalted | | | | |
| Melting Temperature in Celsius: | 162.0 | | | | |

| | |
|--------|----|
| 5' END | OH |
| 3' END | OH |

Note: OD WILL VARY

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Sequence ID NO: 3

BIO-SYNTHESIS

Lot No: B716-4

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 4 1C2C 033:1
Primer Lot Number: B716-4
Author: MD
Synthesis Scale: 50 nmole
Primer Sequence (5' to 3'): CGC CCG CCG CCC GGG CGC CCC GCC AAC GCA
GAC CGT TCC GTG GC

Primer Data

| | |
|--------------------------------------|--|
| Primer Length: | 44 |
| Type: | DNA |
| Composition: | A C G T Others |
| | 4 23 14 3 0 |
| | 9.1% 52.3% 31.8% 6.8% 0.0% |
| Molecular Weight (Ammonium Salt): | 13363.8 |
| Exact Weight per OD (Ammonium Salt): | 35.38 |
| Nanomoles per OD (Ammonium Salt): | 2.65 |
| Micromolar Extinction Coefficient: | 377.73 |
| Total ODs in This Tube: | 5 |
| Total Amount in ug: | 176.9 |
| Total Amount in nmole: | 13.24 |
| Purification: | Desalted |
| Melting Temperature in Celsius: | 162.0 |

| | |
|--------|----|
| 5' END | OH |
| 3' END | OH |

Note: OD WILL VARY

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Sequence ID No: 4

BIO•SYNTHESIS

Lot No: B716-5

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 5 3C 015'
Primer Lot Number: B716-5
Author: MD
Synthesis Scale: 50 nmole
Primer Sequence (5' to 3'): CCG CCG CGC CGC TTC CAC TGA GCG TCA GAC
CC

Primer Data

| | | | | | |
|--------------------------------------|-----------------|------------------|-----------------|-----------------|---------------------|
| Primer Length: | 32 | | | | |
| Type: | DNA | | | | |
| Composition: | A 4 12.5% | C 16 50.0% | G 8 25.0% | T 4 12.5% | Others 0 0.0% |
| Molecular Weight (Ammonium Salt): | 9668.4 | | | | |
| Exact Weight per OD (Ammonium Salt): | 34.97 | | | | |
| Nanomoles per OD (Ammonium Salt): | 3.62 | | | | |
| Micromolar Extinction Coefficient: | 276.48 | | | | |
| Total ODs in This Tube: | 5 | | | | |
| Total Amount in ug: | 174.85 | | | | |
| Total Amount in nmoles: | 18.08 | | | | |
| Purification: | Desalted | | | | |
| Melting Temperature in Celsius: | 112.0 | | | | |

| | |
|--------|----|
| 5' END | OH |
| 3' END | OH |

Note: OD WILL VARY

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Sequence ID NO: 5

BIO-SYNTHESIS

Lot No: B716-7

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 7 1GAN
Primer Lot Number: B716-7
Author: MD
Synthesis Scale: 50 n mole
Primer Sequence (5' to 3'): GGG CGG CGG GCG TTC GGG GAA ATG TGC GCG GA

Primer Data

| | |
|--------------------------------------|--|
| Primer Length: | 32 |
| Type: | DNA |
| Composition: | A C G T Others |
| | 4 6 18 4 0 |
| | 12.5% 18.8% 56.3% 12.5% 0.0% |
| Molecular Weight (Ammonium Salt): | 10068.4 |
| Exact Weight per OD (Ammonium Salt): | 31.85 |
| Nanomoles per OD (Ammonium Salt): | 3.16 |
| Micromolar Extinction Coefficient: | 316.08 |
| Total ODs in This Tube: | 5 |
| Total Amount in ug: | 159.27 |
| Total Amount in nmoles: | 15.82 |
| Purification: | Desalted |
| Melting Temperature in Celsius: | 112.0 |

| | |
|--------|----|
| 5' END | OH |
| 3' END | OH |

Note: OD WILL VARY

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Sequence ID No: 6

BIO•SYNTHESIS

Lot No: B716-8

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 8 1GKN
Primer Lot Number: B716-8
Author: MD
Synthesis Scale: 50 nmole
Primer Sequence (5' to 3'): GGG CGG CGG GCG TTG TCG GGA AGA TGC GTG
AT

Primer Data

| | | | | | |
|--------------------------------------|-----------------|-----------------|------------------|-----------------|---------------------|
| Primer Length: | 32 | | | | |
| Type: | DNA | | | | |
| Composition: | A 4 12.5% | C 5 15.6% | G 17 53.1% | T 6 18.8% | Others 0 0.0% |
| Molecular Weight (Ammonium Salt): | 10058.4 | | | | |
| Exact Weight per OD (Ammonium Salt): | 31.95 | | | | |
| Nanomoles per OD (Ammonium Salt): | 3.18 | | | | |
| Micromolar Extinction Coefficient: | 314.82 | | | | |
| Total ODs in This Tube: | 5 | | | | |
| Total Amount in ug: | 159.75 | | | | |
| Total Amount in nmole: | 15.88 | | | | |
| Purification: | Desalted | | | | |
| Melting Temperature in Celsius: | 108.0 | | | | |

| | |
|--------|----|
| 5' END | OH |
| 3' END | OH |

Note: OD WILL VARY

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Sequence ID No: 7

BIO-SYNTHESIS

Lot No: B716-9

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 9 16TAN
Primer Lot Number: B716-9
Author: MD
Synthesis Scale: 50 n mole
Primer Sequence (5' to 3'): GGG CGG CGG GCG TTC TCA TGT TTG ACA GCT
TA

Primer Data

| | | | | | |
|--------------------------------------|-----------------|-----------------|------------------|-----------------|---------------------|
| Primer Length: | 32 | | | | |
| Type: | DNA | | | | |
| Composition: | A 4 12.5% | C 7 21.9% | G 12 37.5% | T 9 28.1% | Others 0 0.0% |
| Molecular Weight (Ammonium Salt): | 9903.4 | | | | |
| Exact Weight per OD (Ammonium Salt): | 33.11 | | | | |
| Nanomoles per OD (Ammonium Salt): | 3.34 | | | | |
| Micromolar Extinction Coefficient: | 299.07 | | | | |
| Total ODs in This Tube: | 5 | | | | |
| Total Amount in ug: | 165.57 | | | | |
| Total Amount in nmoles: | 16.72 | | | | |
| Purification: | Desalted | | | | |
| Melting Temperature in Celsius: | 102.0 | | | | |

| | |
|--------|----|
| 5' END | OH |
| 3' END | OH |

Note: OD WILL VARY

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Sequence IUNU: 8

BIO•SYNTHESIS

Lot No: B716-10

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 10 /GCN/
Primer Lot Number: B716-10
Author: MD
Synthesis Scale: 50 nmole
Primer Sequence (5' to 3'): GGG CGG CGG GCG AAG CCA CTG GAG CAC CTC
AA

Primer Data

| | | | | |
|--------------------------------------|-----------------|------------------|------------------|---------------------|
| Primer Length: | 32 | | | |
| Type: | DNA | | | |
| Composition: | A 7 21.9% | C 10 31.3% | G 13 40.6% | T 2 6.3% |
| | | | | Others 0 0.0% |
| Molecular Weight (Ammonium Salt): | 9910.4 | | | |
| Exact Weight per OD (Ammonium Salt): | 31.42 | | | |
| Nanomoles per OD (Ammonium Salt): | 3.17 | | | |
| Micromolar Extinction Coefficient: | 315.45 | | | |
| Total ODs in This Tube: | 5 | | | |
| Total Amount in ug: | 157.08 | | | |
| Total Amount in nmoles: | 15.85 | | | |
| Purification: | Desalted | | | |
| Melting Temperature in Celsius: | 110.0 | | | |

5' END OH
3' END OH

Note: OD WILL VARY

Sequence ID NO: 9

BIO•SYNTHESIS

Lot No: B716-11

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 11 3GAC
Primer Lot Number: B716-11
Author: MD
Synthesis Scale: 50 nmole
Primer Sequence (5' to 3'): GCG GCG CGG CGG TAC GGG GTC TGA CGC TCA GT

Primer Data

Primer Length: 32
Type: DNA
Composition: A C G T Others
 3 9 15 5 0
 9.4% 28.1% 46.9% 15.6% 0.0%
Molecular Weight (Ammonium Salt): 9939.4
Exact Weight per OD (Ammonium Salt): 33.32
Nanomoles per OD (Ammonium Salt): 3.35
Micromolar Extinction Coefficient: 298.26
Total ODs in This Tube: 5
Total Amount in ug: 166.62
Total Amount in nmole: 16.76
Purification: Desalted
Melting Temperature in Celsius: 112.0

5' END OH
3' END OH

Note: OD WILL VARY

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Sequence ID No: 10

BIO-SYNTHESIS

Lot No: B716-12

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 12 3G1KC
Primer Lot Number: B716-12
Author: MD
Synthesis Scale: 50 n mole
Primer Sequence (5' to 3'): GCG GCG CGG CGG ATC GCC CCA TCA TCC AGC CA

Primer Data

Primer Length: 32
Type: DNA
Composition: A C G T Others
5 14 10 3 0
15.6% 43.8% 31.3% 9.4% 0.0%

Molecular Weight (Ammonium Salt): 9757.4
Exact Weight per OD (Ammonium Salt): 33.61
Nanomoles per OD (Ammonium Salt): 3.44
Micromolar Extinction Coefficient: 290.34
Total ODs in This Tube: 5
Total Amount in ug: 168.03
Total Amount in nmoles: 17.22
Purification: Desalted
Melting Temperature in Celsius: 112.0

5' END OH
3' END OH

Note: OD WILL VARY

Your source for custom DNA, peptides and molecular biology products

Sequence ID NO: 11

BIO•SYNTHESIS

Lot No: B716-13

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 13 3GTC
Primer Lot Number: B716-13
Author: MD
Synthesis Scale: 50 n mole
Primer Sequence (5' to 3'): GCG GCG CGG CGG TTC ACG TTC GCT CGC GTA
TC

Primer Data

Primer Length: 32
Type: DNA
Composition: A C G T Others
 2 11 12 7 0
 6.3% 34.4% 37.5% 21.9% 0.0%

Molecular Weight (Ammonium Salt): 9825.4

Exact Weight per OD (Ammonium Salt): 34.87

Nanomoles per OD (Ammonium Salt): 3.55

Micromolar Extinction Coefficient: 281.79

Total ODs in This Tube: 5

Total Amount in ug: 174.34

Total Amount in nmoles: 17.74

Purification: Desalted

Melting Temperature in Celsius: 110.0

5' END OH

3' END OH

Note: OD WILL VARY

Your source for custom DNA, peptides and molecular biology products

Sequence ID No: 12

Lot No: B716-14

BIO•SYNTHESIS

Oligo Data Sheet

Date Created: 3/11/98
Your Reference ID: OLIGO 14 3GCC
Primer Lot Number: B716-14
Author: AH
Synthesis Scale: 50 nmol
Primer Sequence (5' to 3'): GCG GCG CGG CGG AAG CAC ACG GTC ACA CTG
CT

Primer Data

Primer Length: 32
Type: DNA
Composition: A C G T Others
 6 11 12 3 0
 18.8% 34.4% 37.5% 9.4% 0.0%
Molecular Weight (Ammonium Salt): 9861.4
Exact Weight per OD (Ammonium Salt): 32.27
Nanomoles per OD (Ammonium Salt): 3.27
Millimolar Extinction Coefficient: 305.55
Total ODs in This Tube: 5
Total Amount in ug: 161.37
Total Amount in nmoles: 16.36
Purification: Desalted
Melting Temperature in Celsius: 110.0

5' END OH
3' END OH

Note: OD WILL VARY

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